

INTERNATIONAL SEARCH REPORT

PCT/GB 03/05563

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	C12N15/52	C12N9/00	C12N9/02	C12N9/10	C07K14/21
	C12Q1/68	C12N15/63	C12N15/53	C12N15/54	C12P17/12
	C07D471/22	C07D471/18	A61K31/4995	A61P35/00	A61P31/04
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
IPC 7	C12N	C07K	C12Q	C12P	C07D A61K A61P
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)					
EPO-Internal, WPI Data, EMBL, BIOSIS, EMBASE, CHEM ABS Data					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
X	EP 0 055 299 A (YOSHITOMI PHARMACEUTICAL INDUSTRIES, LTD.) 7 July 1982 (1982-07-07) cited in the application				35,37-41
A	the whole document				36
A	MOHAMED A. MARAHIEL: "Protein templates for the biosynthesis of peptide antibiotics" CHEMISTRY AND BIOLOGY, vol. 4, August 1997 (1997-08), pages 561-567, XP000915211 cited in the application				1-33
X	WO 00/69862 A (PHARMA MAR, S.A.) 23 November 2000 (2000-11-23) cited in the application				35,37-42
	the whole document				
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.					
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family					
Date of the actual completion of the international search			Date of mailing of the international search report		
1 June 2004			09/06/2004		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016			Authorized officer Montero Lopez, B		

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>ANDREAS POSPIESCH ET AL.: "Two multifunctional peptide synthetases and a O-methyltransferase are involved in the biosynthesis of the DNA-binding antibiotic and antitumour agent saframycin Mx1 from Myxococcu xanthus"</p> <p>MICROBIOLOGY, vol. 142, 1996, pages 741-746, XP001118419 the whole document</p> <p>-----</p>	1-27

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0055299	A	07-07-1982	JP 1300998 C	14-02-1986
			JP 57018633 A	30-01-1982
			JP 60020000 B	18-05-1985
			DE 3168135 D1	21-02-1985
			EP 0055299 A1	07-07-1982
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			TR 200103273 T2	22-04-2002
			US 2004002602 A1	01-01-2004